

Product Data Sheet: COLLAGEN II / COL2A1 Rabbit Polyclonal Antibody

Cat. No: AB-84753

Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rabbit

Isotype: IgG

Immunogen: The antiserum was produced against synthesized peptide derived from human

Collagen II. AA range:101-150

Reactivity: Human, Mouse, Rat

Applications: Western Blot: 1/500 - 1/2000 Immunohistochemistry: 1/100 - 1/300

Immunofluorescence: 1/200 - 1/1000 ELISA:1/20000.

Molecular Weight: 140 kDa

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Synonyms: COL2A1; Collagen alpha-1(II) chain; Alpha-1 type II collagen

This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial

osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia,

Background: Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type.

In addition, defects in processing chondrocalcin, a calcium binding protein that is

the C-propeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts

identified for this gene.

Form: Liquid

Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.

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